S/M No. : FR272NCU00

DAEWOO

Service Manual

Refrigerator

Model: FF100SS

(For AVANTI)

✔ Caution

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DAEWOO ELECTRONICS CO., LTD.

http://svc.dwe.co.kr Sep. 2002

SAFETY AND PRECAUTIONS

1) For starters, be sure to check any chances of the leakage of electricity

2) You could handle a part in the vicinity of electricity after unplugging

3) You should put on rubber glovers to prevent an electric shock on operation test

4) Make sure the rated current, voltage, capacity before using an instrument

5) Keep your wet hands away from the metal goods in the freezer compartment not to be frostbitten

6) Be careful not to let water to permeate the electric part in the machine room

7) with the door open during your working, you might be damaged by that door

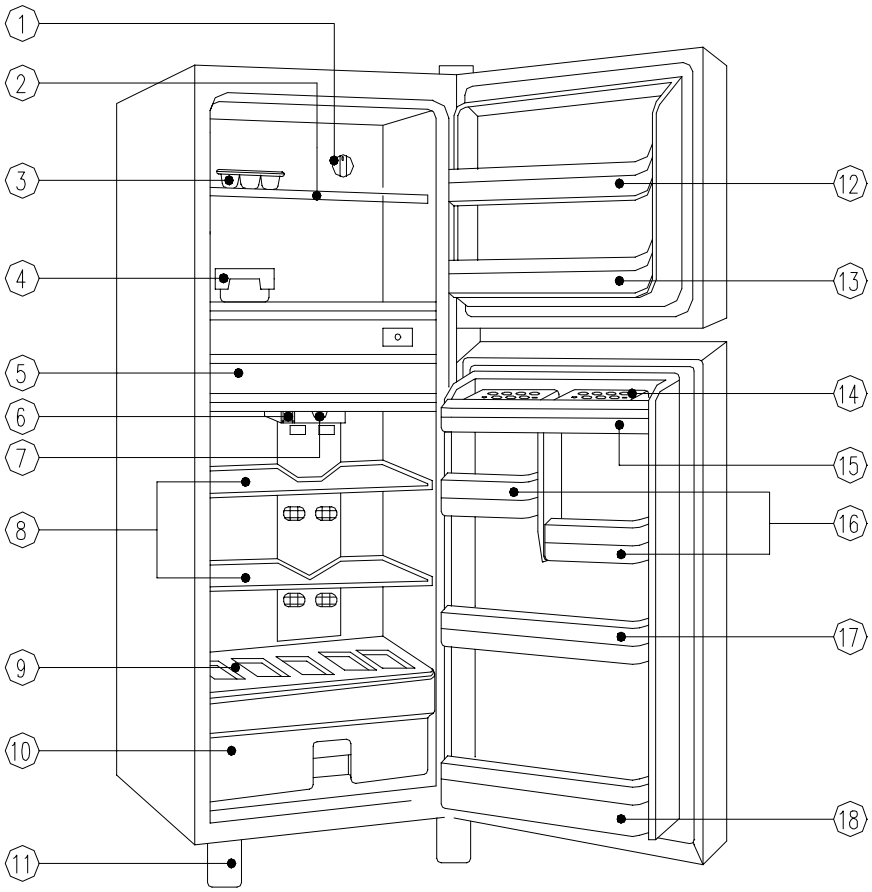
8) You should give a tilt to the refrigerator for your safe after removing the breakable goods inside the refrigerator

9) You'd better use cotton gloves if you fix it up around the evaporator

1.Specification

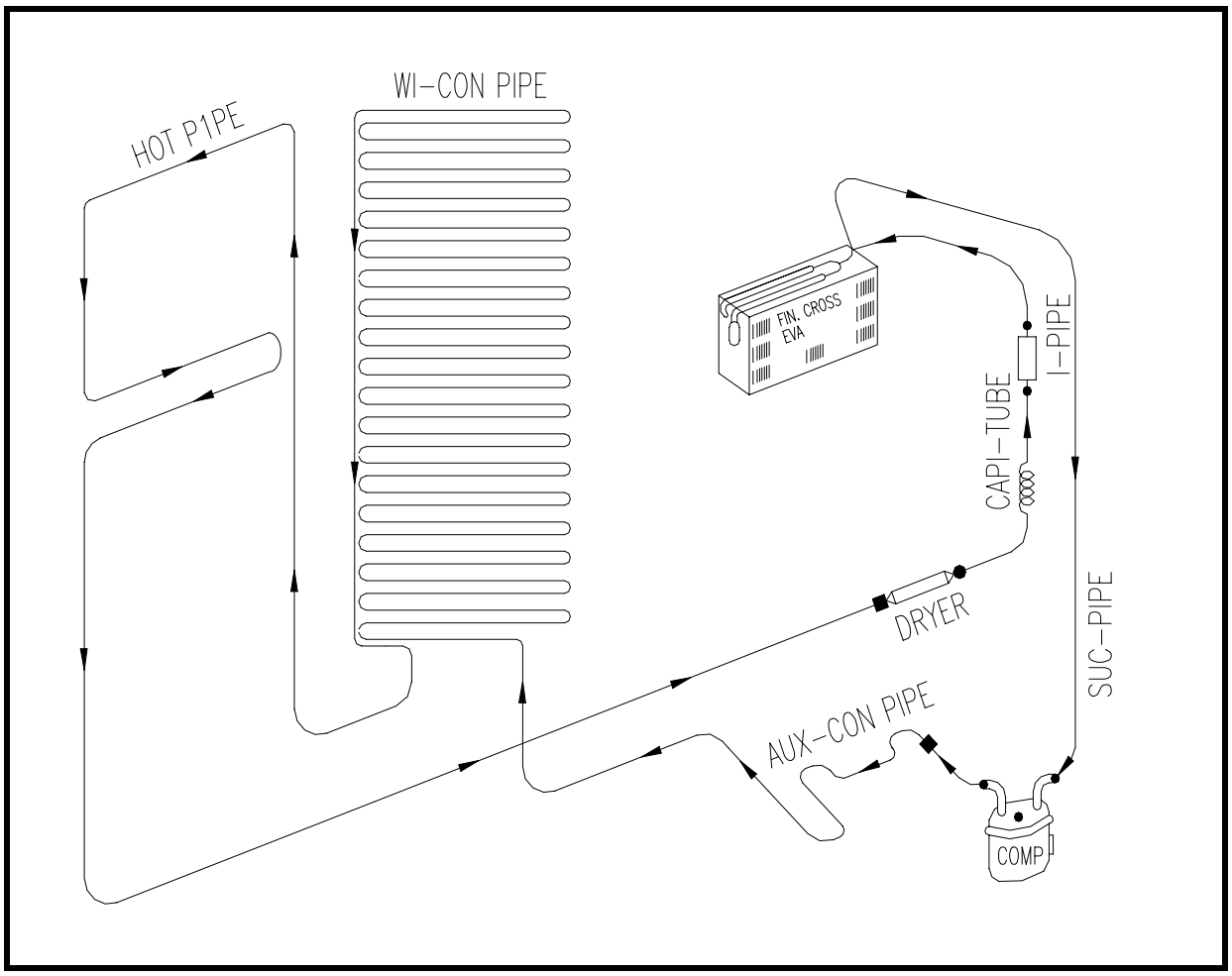
Refrigerant	R134a	100g
COOLING System	Fan Cooling Convection Type	
Refrigeration System	Air Forced Convection	
Defrost System	Forced Fin-Evaporator Type	
Defrost Operation	Automatic Start & Stop	
Cold Control	Adjustable Dial	
Capacity	Freezer	2.2cu-ft
	Refrigerator	7.4cu-ft
	Total	9.6cu-ft
External Dimension	Height	1636mm
	Width	600mm
	Depth	729mm
Net Weight	57Kg	

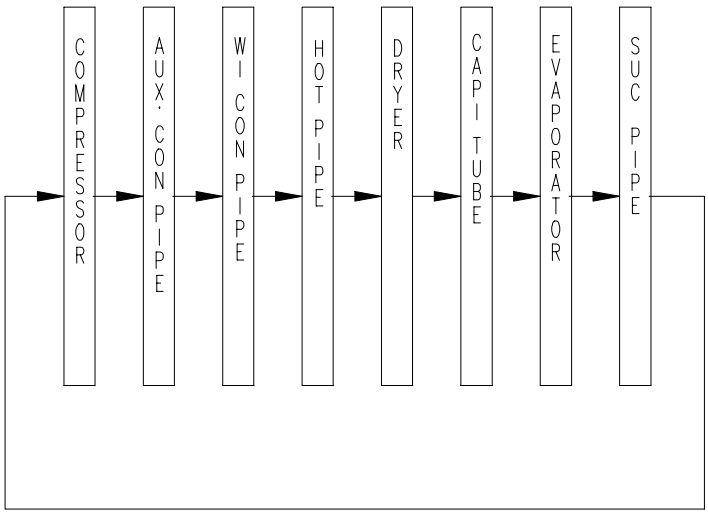
2. NAME OF PARTS



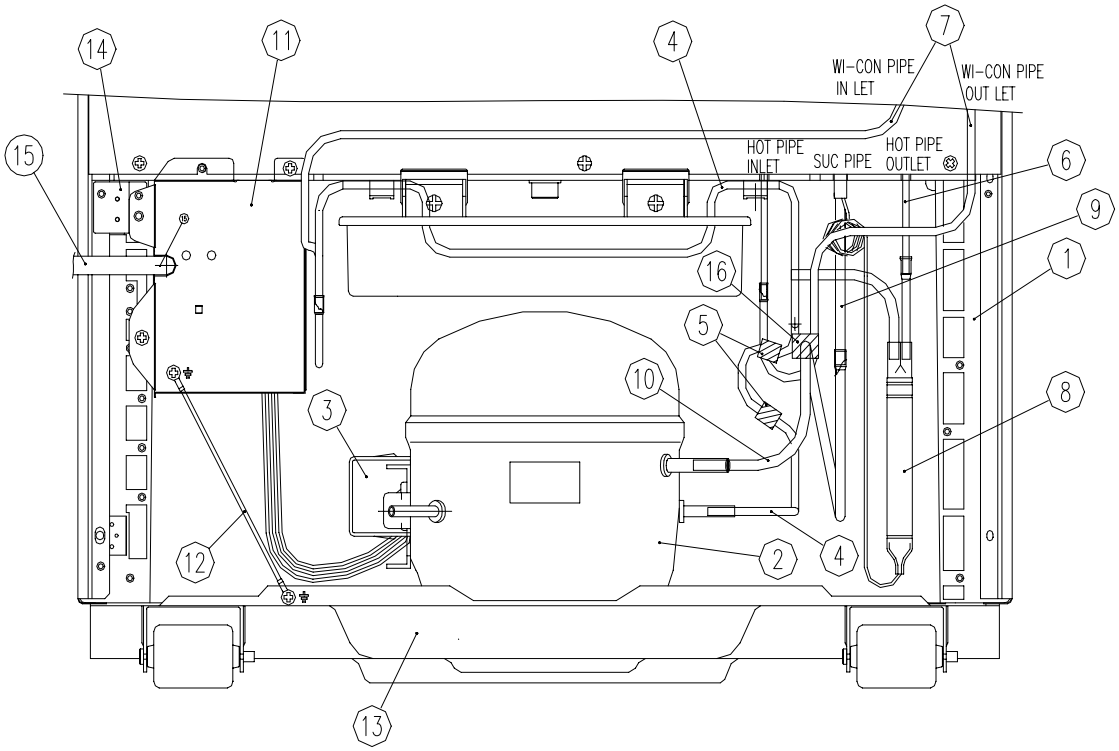
1. FREEZER TEMPERATURE CONTROL KNOB
2. F SHELF
3. CASE ICING
4. CASE ICE
5. CHILLED CORNER
6. LAMP COVER
7. REFRIGERATOR TEMPERATURE CONTROL SWITCH
8. R SHELF
9. CRISPER COVER
10. CRISPER
11. ADJUSTABLE FOOT
12. POCKET F T
13. POCKET F U
14. EGG CASE
15. EGG POCKET
16. POCKET MULT
17. POCKET BOTL
18. POCKET SM

3. REFRIGERANT CYCLE DIAGRAM





4. MACHINE ROOM VIEW AND PART LIST



NO	PART NAME	NO	PART NAME	NO	PART NAME
1	BASE CAB AS	7	WI-CON PIPE	13	BASE COMP AS
2	COMPRESSOR	8	DRYER AS	14	BRACKET EARTH
3	P-RELAY AS	9	PIPE SUC AS	15	POWER CORD AS
4	PIPE VAPORI AS	10	PIPE SUC CONN	16	ABSORBER PIPE A
5	ABSORBER PIPE B	11	BOX POWER AS		
6	PIPE HOT	12	HARNESS EARTH		

5. METHODS OF EXCHANGING MAIN PARTS

(1) Freezing room louver

1) Unscrew, remove the F-louver by pulling forward with inserting screwdriver into the hole of F louver.

2) Assemble it by pressing triangle shape (△) by hand.

(2) R control box

1) After pressing both bottom surfaces of shade and pull forward.

2) To exchange the interior lamp, unscrew the lamp counterclockwise.

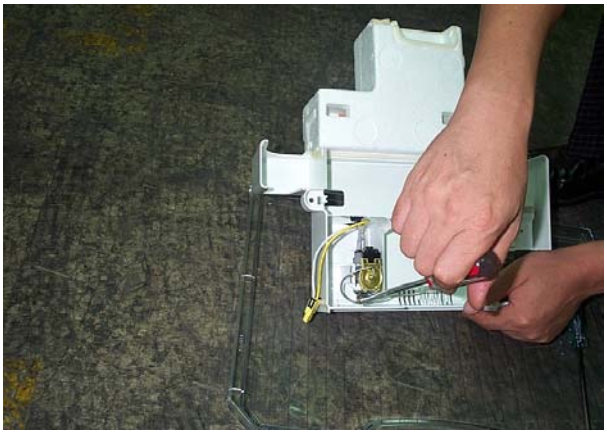
3) Remove two screws

Methode of exchanging main parts

4) Pull slightly forward with instant force.

5) Remove the housing

6) After romoving the control switch knob and two screws for fixing control switch, change the control switch to new one.

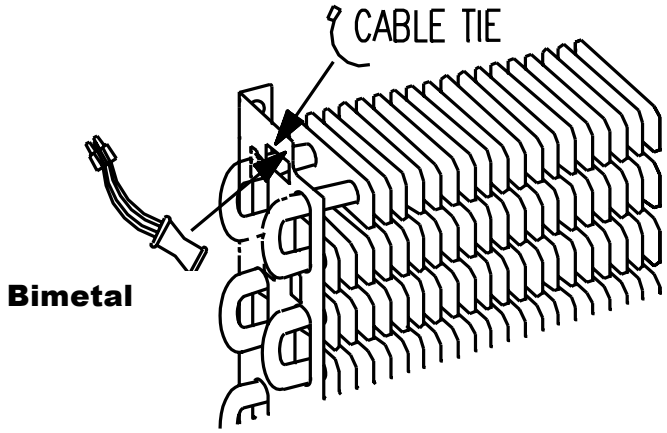


Methode of exchanging main parts

(3) Bimetal

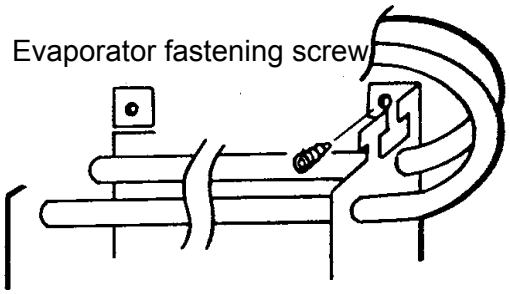
1) Cut off the wire bind.

2) Take out the bimetal.

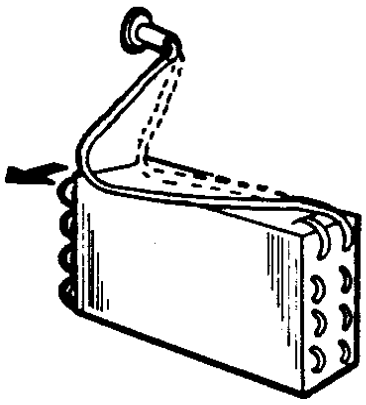


(4) Glass tube heater

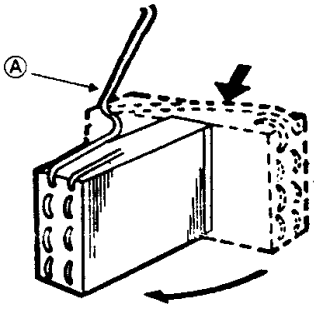
1) Remove 2 screws that fasten the evaporator



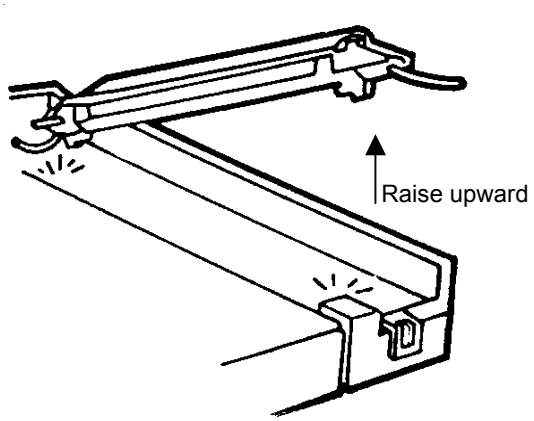
2) Slightly pull the evaporator to the arrow's direction.



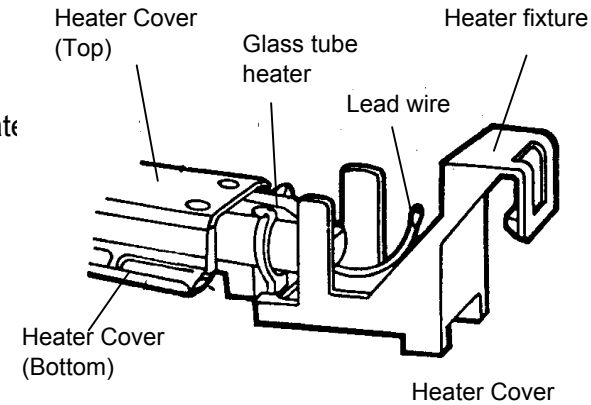
3) Move the entire eveporator upward the pipe center to the arrow's direction.
(Do not crumble the part A of the accumulator during the process.)



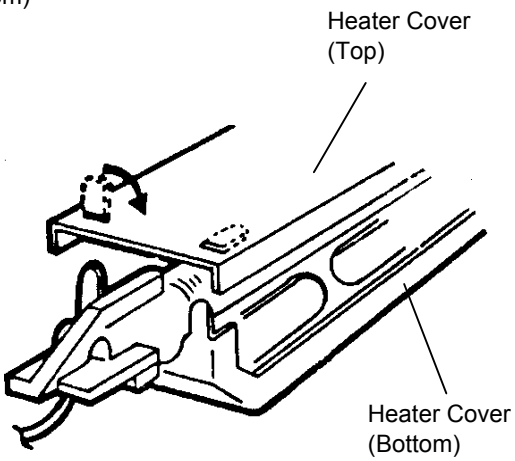
4) Cut the both ends of glass tube heater tube heater lead wires and insulate and seal lead tip remaining in refrigerator with tape etc.



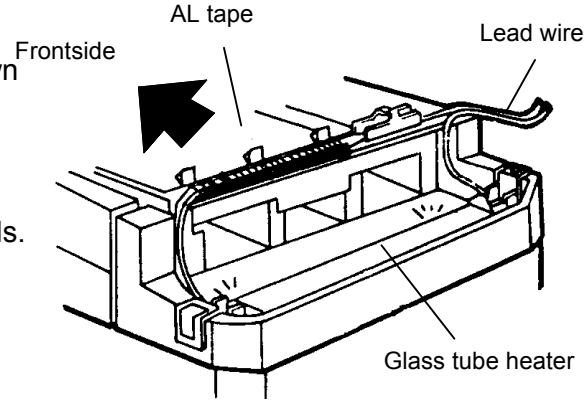
5) Pull out the glass tube heater from the heate supporter with heater covers remaining. (upper and lower) (Do not apply much power on the heater supporter.)



6) Install the heater covers (upper and lower) on a new glass tube heater. (Make the cover with holes the lower one)



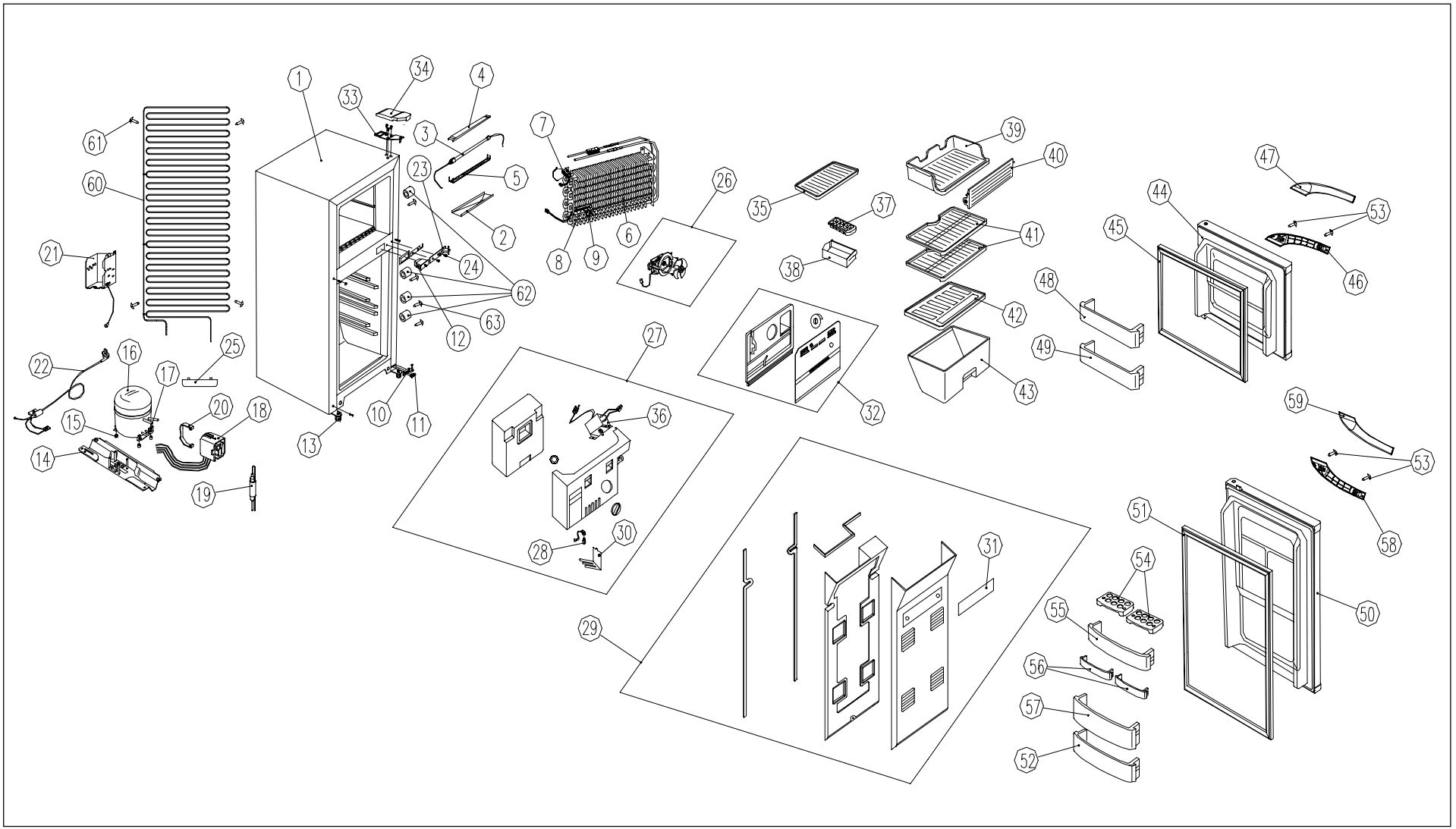
7) Place the glass tube heater lead wire shown as below and fasten the shaded area with type.
8) Fin insert the lead wire connection terminals. (Same colored lead wires)
9) Set the evaporator on normal position and secure the fastening screws.



6. EXPLODE VIEW AND PARTS LIST

1. Expoloded views

U.S.A (AVANTI , FF100SS)



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2) PARTS LIST

U.S.A(AVANTI,FF100SS)

NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
1	-	ASS'Y CAB URT	HCFC-141B	1	
2	4019R54111	GUIDE DRN	AL	1	
3	400EL22321	HEATER GLAS AS	110V , 150W	1	
4	4019R73571	COVER DEFR HTR *T	GALVANIED	1	
5	4019R73581	COVER DEFR HTR *U	GALVANIED	1	
6	3017045400	EVAPPORATOR AS		1	NO ACCUM
7	3018100603	SWITCH BIMTL AS	110V,220V,UL	1	
8	4019H23015	FUSE TEMP AS		1	
9	4017Z90590	FIXTURE FUSE TEMP	PP	1	
10	3012906701	HINGE *U AS	P/O T3.2 ZN-COATING	1	
11	3016000600	SPECIAL BOLT	M6 X 20	3	
12	3011721300	SWITCH DR AS	1 BUTTON	1	
13	3012101300	ADJ FOOT AS		2	
14	3010302311	BASE COMP AS		1	
15	3010100201	ABSORBER COMP	NR H=40	4	
16	3953152D10	COMPRESSOR	MK152C-L1U	1	
17	4019H09030	SPECIAL WASHER	SWRH	4	
18	3018123800	SWITCH P RELAY AS	412PHBYY-53,UL	1	
19	3016801112	DRYER AS	HCFC 15G	1	
20	3816100800	RELAY BAND	PTC TYPE	1	
21	3010519051	BOX POWER AS	R/C 250VAC/8MF	1	
22	3011301713	POWER CORD AS	KP-30,UL	1	
23	3012906300	HINGE *M AS		1	
24	3016004000	SPECIAL BOLT	M6XL10 SWCH22A	2	
25	3011161210	CASE VAPORI	PP V451(UL)	1	
26	3011833500	FAN MOTOR ASS	23211DW18AB	1	
27	3010530450	ASSY R CONTL BOX	UL,LAMP STICKER	1	
28	3013600050	LAMP AS	120V/15W	1	
29	3010008502	DUCT M/F AS		1	
30	4017Z87570	SHADE R	HC-2	1	
31	4010C75252	LABEL DUCT	PC	1	
32	3018913600	LOUVER F AS		1	
33	3012914500	HINGE *T AS		1	
34	3014558300	COVER *T HI	PP	1	
35	3017800305	SHELF F	GPPS	1	
36	3018301320	THERMOSTAT	PFN-175D-01U	1	
37	4010G56012	CASE ICING	PP(J-360)	1	
38	4017Z99112	CASE ICE	HC-2	1	
39	4019R30133	CASE CHILD	GPPS	1	
40	4019R30143	DOOR CHILD	GPPS	1	
41	3017828900	SHELF GLASS AS	GLASS	2	
42	4019R30824	COVER V/CASE	GPPS	1	
43	4019R30812	CASE VEGTB	GPPS	1	
44	-	ASSY F DOOR URT	HCFC-141B	1	
45	3012309910	GASKET F DR AS	PVC-S	1	

NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
46	3012624000	HANDLE F A	ABS	1	A TYPE
47	3011610810	DECO F HNDL AS		1	A TYPE
48	3019015700	POCKET F *T	GPPS	1	
49	3019015800	POCKET F *U	GPPS	1	
50	-	ASSY R DOOR URT	HCFC-141B	1	
51	3012310010	GASKET R DR AS	PVC-S	1	
52	3019016200	POCKET SM	GPPS	1	
53	7002501611	SCREW MACHINE	TRS 5X16 MFZN	4	
54	3011165700	CASE EGG	GPPS	2	
55	3019015900	POCKET EGG	GPPS	1	
56	3019016000	POCKET MULT	GPPS	2	
57	3019016100	POCKET BOTL	GPPS	1	
58	3012624200	HANDLE R A	ABS	1	A TYPE
59	3011611110	DECO F HNDL AS		1	A TYPE
60	3014443501	PIPE WI-CON AS	FR-330	1	
61	7112401211	SCREW TAPPING	T1 TRS 4X12 MFZN	4	
62	3015200000	STOPPER SHELF	PP(J360)	4	
63	7112401411	SCREW TAPPING	T1 TRS 4X14 MFZN	4	